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FIG. 1

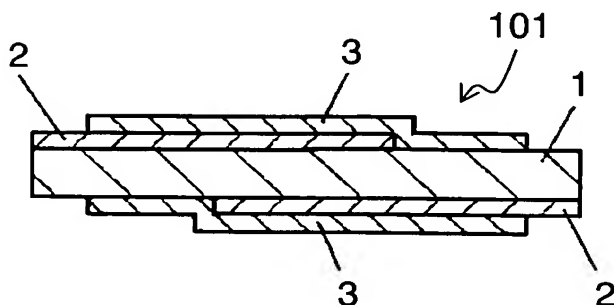


FIG. 2

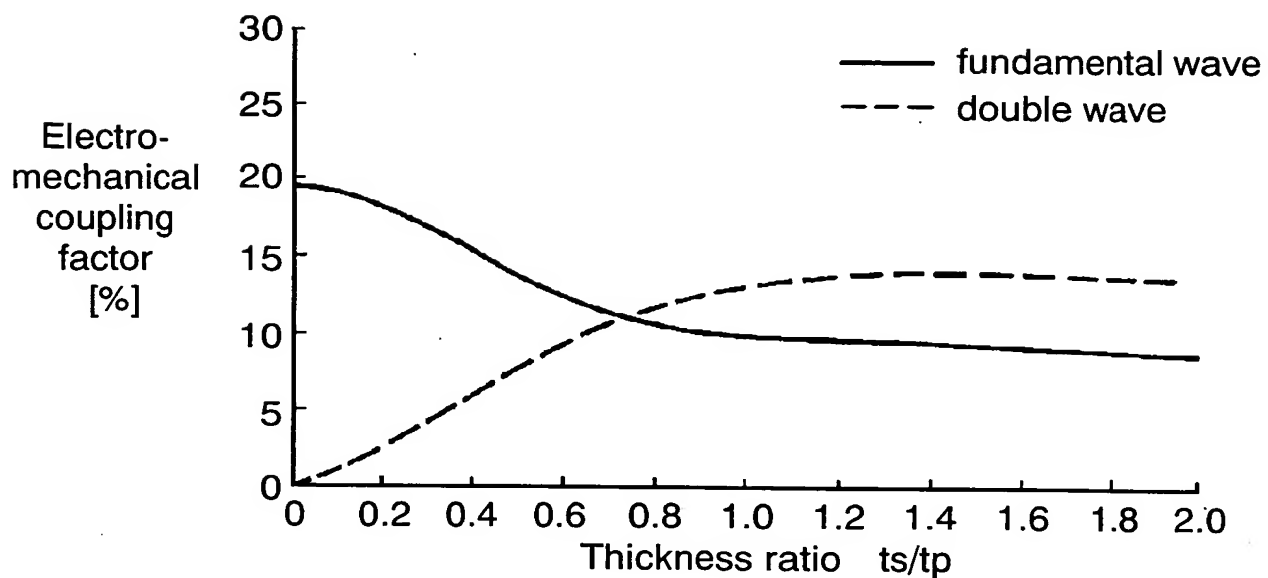
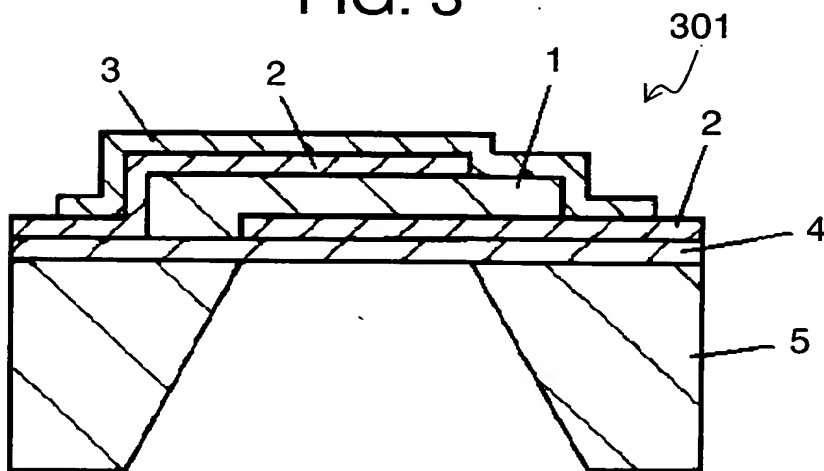


FIG. 3



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FIG. 4

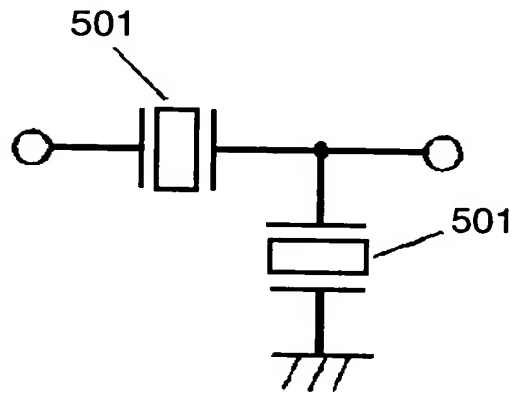


FIG. 5

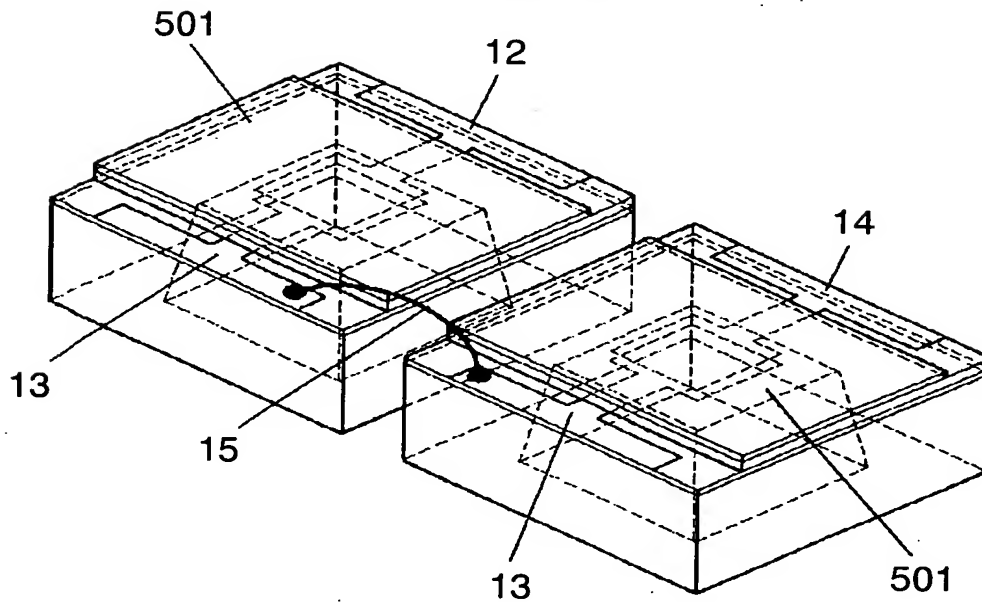
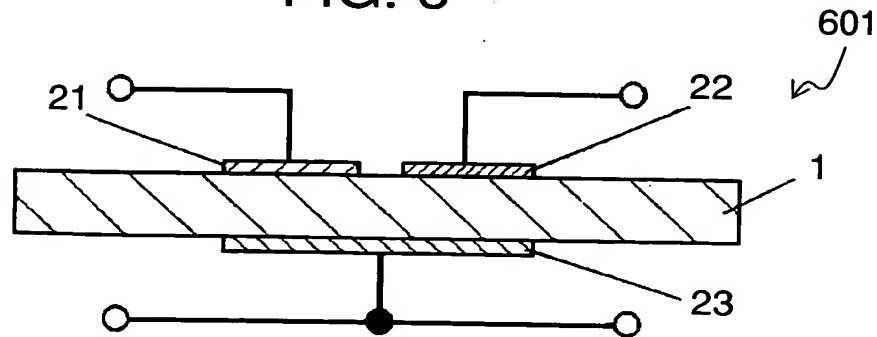


FIG. 6



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FIG. 7

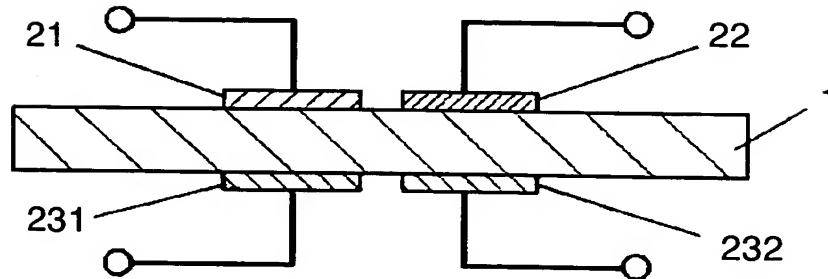


FIG. 8

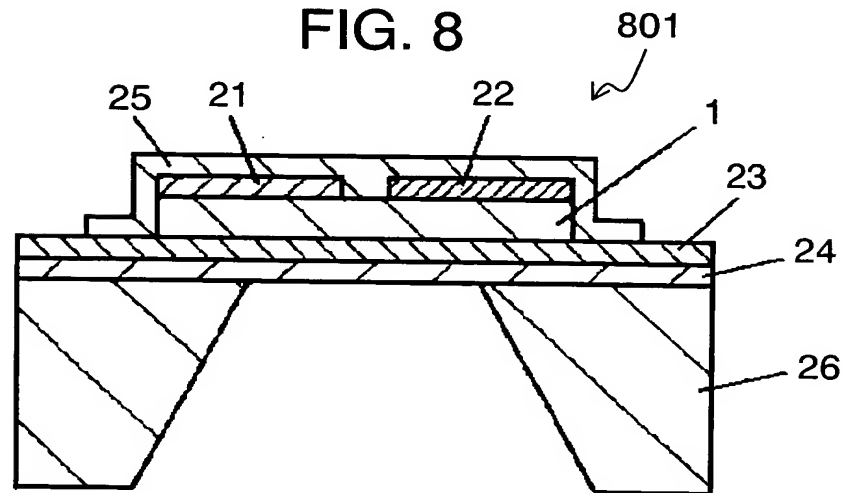
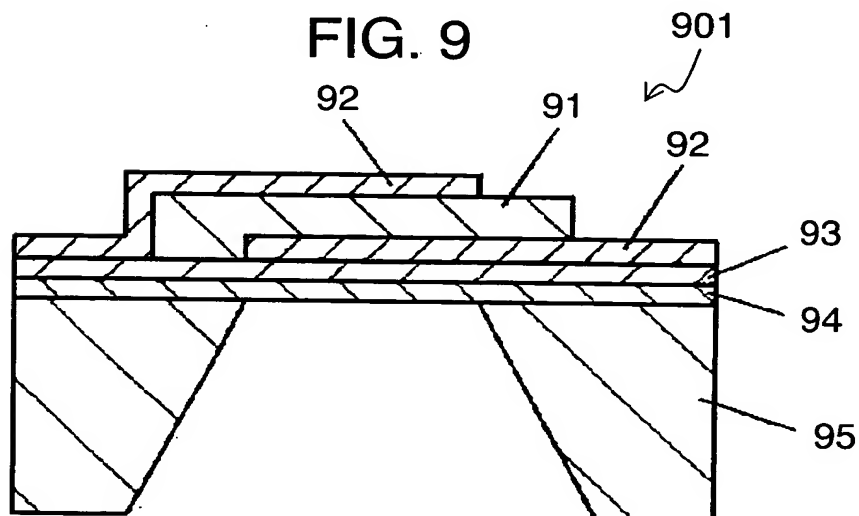


FIG. 9



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## Reference marks in the drawings

- 1 piezoelectric plate
- 2 exciting electrode
- 3 silicon oxide film
- 4 silicon nitride film
- 5 supporting substrate
- 101,301,501,601,801,901 piezoelectric vibrator
- 12 external terminal for inputting
- 13 external terminal for outputting
- 14 external terminal for grounding
- 15 bonding wire
- 21 electrode for inputting
- 22 electrode for outputting
- 23 electrode for grounding
- 24 silicon nitride film
- 25 silicon oxide film
- 26 supporting substrate
- 91 aluminum nitride thin film
- 92 exciting electrode
- 93 silicon nitride film
- 94 silicon oxide film
- 95 silicon substrate
- 231,232 electrode for grounding